Documentation of Eves test

In this project I used Console Application template in VS2015.

In "Program" class you can find 4 methods wich listed following:

1. GetDirectorySize
   This method is using to return the size of directories include of files and inside directories with the recursive algorithm.
   Input : DirectoryInfo dir
   Output : long

2. GetDirectoryFileList
   This method is using for return list of directories and files in the structure of "Entity" class with the recursive algorithm.
   Input : DirectoryInfo dir
   Output : List<Entity>

3. CreateHtmlOutput
   This method is using for creating HTML output file for visualizing the results. At the first of all this method is serializing data and in next steps creates HTML file and with generating javascript codes, CSS, and HTML.
   This file will be created beside of application file. If you have not sufficient access it will return an exception.
   Input : List<Entity> Entitylist
   Output : void

In the root of the project, you can find "Entity" class.This class can indicate all the directory or file with an enum field.This class has following fields :

1. ParentName
   This field can be used for finding container folder of a file or directory.

2. Name
   This field is using to store the name of file or directory.

3. Size
   This field is using to store the size of file or directory in the byte.

4. SizeMb
   This field is read-only and computational for indicating the size of the file in MB.

5. MimeType
   This field is using to store mime-type of files. It will be null if the entity type is the folder.

6. EntityType
   This field indicates the type of entity stored.

7. Entity_List
   This field is using to store containing files and folder in the current directory. This will be null if the type of entity is the file.